

FORM PTO-1390 (Modified)  
(REV. 11-2000)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

221801-1010

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR

Not Yet Assigned

10/500601

INTERNATIONAL APPLICATION NO.  
PCT/DE02/04754INTERNATIONAL FILING DATE  
31 December 2002PRIORITY DATE CLAIMED  
31 December 2001

## TITLE OF INVENTION

Methods For Detecting Nucleic Acids While Using Solid Phase Bound Primers and Cleaving the Products of a Cyclic Amplification Reaction (Trap Release Primer Amplification [TRAMP])

APPLICANT(S) FOR DO/EO/US

REPP, Reinald

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.
4. ☐ The US has been elected by the expiration of 19 months from the priority date (Article 31).
5. ☒ A copy of the International Application as filed (35 U.S.C. 371 (c) (2))
  - a. ☒ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
  - a. ☒ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).
11. ☐ A copy of the International Preliminary Examination Report (PCT/IPEA/409).
12. ☒ A copy of the International Search Report (PCT/ISA/210).

## Items 13 to 20 below concern document(s) or information included:

13. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
14. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
15. ☐ A **FIRST** preliminary amendment.
16. ☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
17. ☐ A substitute specification.
18. ☐ A change of power of attorney and/or address letter.
19. ☒ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
20. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
21. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
22. ☒ Express Mail Label No. EV437537685US
23. ☒ Other items or information: Return Postcard; \$525.00 Filing Fees Check; hard copy of sequence listings

U.S. APPLICATION NO. (IF KNOWN, SEE 37 CFR 1.53) <b>Not Yet Assigned 12/5 00601</b>		INTERNATIONAL APPLICATION NO. <b>PCT/DE02/04754</b>		ATTORNEY'S DOCKET NUMBER <b>221801-1010</b>	
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24. The following fees are submitted: <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)) :</b>				<b>CALCULATIONS PTO USE ONLY</b>	
<input type="checkbox"/> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1080.00</b>					
<input checked="" type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$920.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$730.00</b>					
<input type="checkbox"/> International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100.00</b>					
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<b>\$920.00</b>	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492 (e)). <span style="float: right;"><input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30</span>				<b>\$130.00</b>	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	1 - 20 =	0	x \$18.00	<b>\$0.00</b>	
Independent claims	1 - 3 =	0	x \$86.00	<b>\$0.00</b>	
Multiple Dependent Claims (check if applicable). <span style="float: right;"><input type="checkbox"/></span>				<b>\$0.00</b>	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$1,050.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				<b>\$525.00</b>	
<b>SUBTOTAL =</b>				<b>\$525.00</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than months from the earliest claimed priority date (37 CFR 1.492 (f)). <span style="float: right;"><input type="checkbox"/> 20 <input type="checkbox"/> 30</span>				<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>				<b>\$525.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31) (check if applicable). <span style="float: right;"><input type="checkbox"/></span>				<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$525.00</b>	
				<b>Amount to be:</b>	<b>\$</b>
				<b>refunded</b>	<b>\$</b>
				<b>charged</b>	<b>\$</b>

a. ☒ A check in the amount of **\$525.00** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. \_\_\_\_\_ in the amount of \_\_\_\_\_ to cover the above fees.

c. ☒ The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **20-0778**

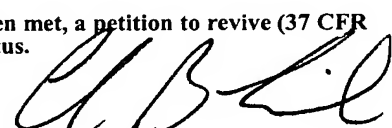
d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**NOTE:** Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

**LINDER, Christopher B.**  
**THOMAS, KAYDEN, HORSTEMEYER & RISLEY, LLP**  
 100 Galleria Parkway, N.W.  
 Suite 1750  
 Atlanta, Georgia 30339-5948  
 US



SIGNATURE

**Christopher B. Linder**

NAME

**47,751**

REGISTRATION NUMBER

**30 June 2004**

DATE

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: **REPP, Reinald**

DT03 Rec'd PCT/PTO 30 JUN 2004

For: **METHODS FOR DETECTING NUCLEIC ACIDS WHILE USING SOLID  
PHASE BOUND PRIMERS AND CLEAVING THE PRODUCTS OF A CYCLIC  
AMPLIFICATION REACTION (TRAP RELEASE PRIMER AMPLIFICATION  
[TRAMP])**

**CERTIFICATE OF EXPRESS MAIL**

Mail Stop PCT (DO/EO/US)  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

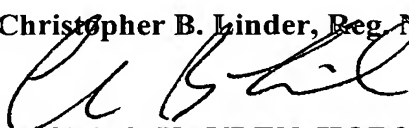
Enclosed for filing in the above case are the following documents:

Return Postcard;  
Transmittal Letter to the US Designated Office  
(DO/EO/US) (2 Pages);  
Copy of Published International Application Consisting of:  
Publication Page  
9 Pages of Specification  
2 Pages of Claims  
2 Pages of Drawings;  
International Search Report;  
English Translation of Application Consisting of:  
11 Pages of Specification  
2 Pages of Claims  
2 Pages of Drawings;  
Diskette Containing Sequence Listings and English Translation;  
Hard Copy of Sequence Listings; and  
\$525.00 Filing Fees Check.

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

**Christopher B. Linder, Reg. No. 47,751**

  
**THOMAS, KAYDEN, HORSTEMEYER  
& RISLEY, L.L.P.**  
100 Galleria Parkway, N.W.  
Suite 1750  
Atlanta, Georgia 30339-5948

Our Docket No: **221801-1010**

I hereby certify that all correspondences listed above are being deposited for delivery to the above addressee, with the United States Postal Service "EXPRESS MAIL POST OFFICE TO ADDRESSEE" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # EV437537685US.

Date: 30 June 2004

  
Lara L. O'Brien